Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 13 Dec 2022 until 23:59 on Wednesday 14 Dec 2022

Forecast Issued on Tuesday 13 Dec 2022 at 02:42

Confidence: High, but Medium for cloud and low for any snow details from Thursday.

Headline for Tuesday 13 Dec 2022: Dry, cold with sunshine increasing for afternoon.

Mountain weather hazards on Tuesday 13 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Clear night	Clear night
Precipitation probability					
<05%	<05%	<05%	00%	00%	00%

Forecast for Tuesday 13 Dec 2022

Weather: Small chance of some mist and freezing fog in the valleys. Patchy cloud during the morning, mainly in the south, perhaps giving the odd snow flurry. Otherwise dry and sunny or clear. Widespread frost throughout.

Chance of cloud-free hill tops above 800m: 60% becoming 80% for afternoon

Low cloud and visibility: Patchy cloud, base 600 to 900m, during the morning, but mainly no significant cloud. Visibility good or very good, except in mist, freezing fog and patchy cloud.

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Forecast for Tuesday 13 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	6/9 SE	7/12 S	5/7 SE	7/9 E	15/18 NE	23/28 NE	24/29 NE
600	5/7 E	6/9 S	4/6 SE	6/8 E	12/18 NE	14/20 NE	16/23 NE
300	2/6 S	4/11 S	2/6 SE	2/6 NE	5/16 NE	7/20 NE	6/20 NE
Valley	1/5 NE	1/6 NE	2/5 E	4/8 NE	9/18 NE	8/19 NE	10/22 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-6/-10	-5/-10	-6/-9	-6/-10	-6/-13	-5/-13	-5/-14
600	-4/-7	-4/-8	-3/-6	-4/-8	-5/-11	-4/-11	-4/-11
300	-2/-4	-2/-5	-1/-2	-2/-4	-3/-6	-3/-7	-2/-6
Valley	-0/-2	-1/-3	1/-1	0/-2	-1/-5	-0/-4	-0/-5
Freezing Level*	00m	00m	100m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Surfaces frozen throughout, perhaps thawing on any sunny slopes for a short time around the middle of the day.

Forecast for Wednesday 14 Dec 2022

Weather: Small chance of some mist and freezing fog in the valleys. Mainly dry and sunny or clear. However, the odd snow showers is possible, these mostly likely over the Eastern and Far Eastern Fells. Widespread frost throughout.

Maximum wind: North or Northeast 20 to 25mph, gusting 35mph with a severe wind chill.

Chance of cloud-free hill tops above 800m: 80%

Low cloud and visibility: Generally no significant cloud expected, but occasional, bases 600m or less, in any snow showers. Visibility very good, except in any mist, freezing fog or snow.

Temperature: **Valleys:** Minus 7 rising to Zero Celsius around the middle of the day.
At 800m: Minus 3 to Minus 7 Celsius
Freezing level: All levels

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Ground Conditions Supplement

Date Monday 12 December. Helvellyn summit at 11:30. Full report: The coldest night of this winter so far saw temperatures fall well below zero at all levels so patches of ice could be found anywhere. However, they tend to be limited and found mainly on drainage lines and where snow/frost has been compacted on popular routes. Although snow can be found down to valley level, the main snow line is around 200m. Above 200m ground and rocks are covered by around 2cm to 3cm of snow although below 750m there has been a thaw on aspects catching the sun – although there was little, if any, further thaw today. The cloud and temperature inversion meant that there was little difference in temperature today between the valley (minus 4 degrees in Ambleside when I set off and minus 3.5 degrees on the summit a couple of hours or so later). Upland tarns, such as Red Tarn, have frozen but are unsafe to walk on; even Rydal Water was also partially frozen. Full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots and equipment including torch, map and compass and the ability to use them in potentially poor visibility such as low cloud are all essential to safely enjoy the fells. Extra clothing, though, is not just for safety, but also for comfort as the summit today was a place to don extra clothing and linger to simply absorb the magnificent panorama. Walking poles to aid stability on slippery paths could also be useful. For those heading above the snowline and attempting, or traversing, steep and exposed routes microspikes/crampons and an ice axe could be a sensible addition to the rucksack. Hopefully sunglasses will also be essential equipment as they were today! Temperature minus 3.5 degC. Maximum wind speed 7.3mph. Wind chill minus 8.1 degC. Average wind speed 5.0mph.

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